	Application No.	Applicant(s)
At the of Alleman Hite.	10/031,494	HECKMEIER ET AL.
Notice of Allowability	Examiner	Art Unit
	Tarifur R Chowdhury	2871
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>01/22/04</u> .		
2. The allowed claim(s) is/are <u>1-5,7,14-23 and 25-31</u> .		
3. The drawings filed on 22 January 2002 are accepted by the Examiner.		
4.		
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendr	ie

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## Allowable Subject Matter

1. Claims 1-5, 7, 14-23 and 25-31 are allowed.

- 2. The following is an examiner's statement of reasons for allowance:
- 3. The prior arts of record do not anticipate or render obvious to one skilled in the art a liquid crystal switching element comprising various elements as claimed, more specifically a liquid crystal layer having untwisted alignment and an optical retardation of from 0.07  $\mu$ m to 0.17  $\mu$ m and at least one birefringent layer which is either a  $\lambda/2$  layer or two  $\lambda/4$  layers, wherein the optical retardation of the birefringent layer or the layers is either essentially half or essentially twice the optical retardation of the liquid crystal layer.
- 4. The closest references EP 0727691 A (Welzen) and EP 0463816 A2 (Sato) discloses an untwisted liquid crystal layer having an optical retardation of 0.15 μm to 0.35 μm. However, none of the references alone or in combination with any other references teach or suggest the claimed birefringent layer or layers having optical retardation that is essentially half or twice the optical retardation of the liquid crystal layer respectively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC March 13, 2004

PRIMARY EXAMINER